

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091818\
 Data File : VX004683.D
 Acq On : 19 Sep 2018 03:23
 Operator : JC/MD
 Sample : J4938-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-5

Quant Time: Sep 19 05:44:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	260097	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	374686	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	330469	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	211962	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	162133	48.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.68%	
35) Dibromofluoromethane	5.51	113	151301	44.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.26%	
50) Toluene-d8	8.72	98	491760	42.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.54%	
62) 4-Bromofluorobenzene	11.14	95	172740	42.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.18%	

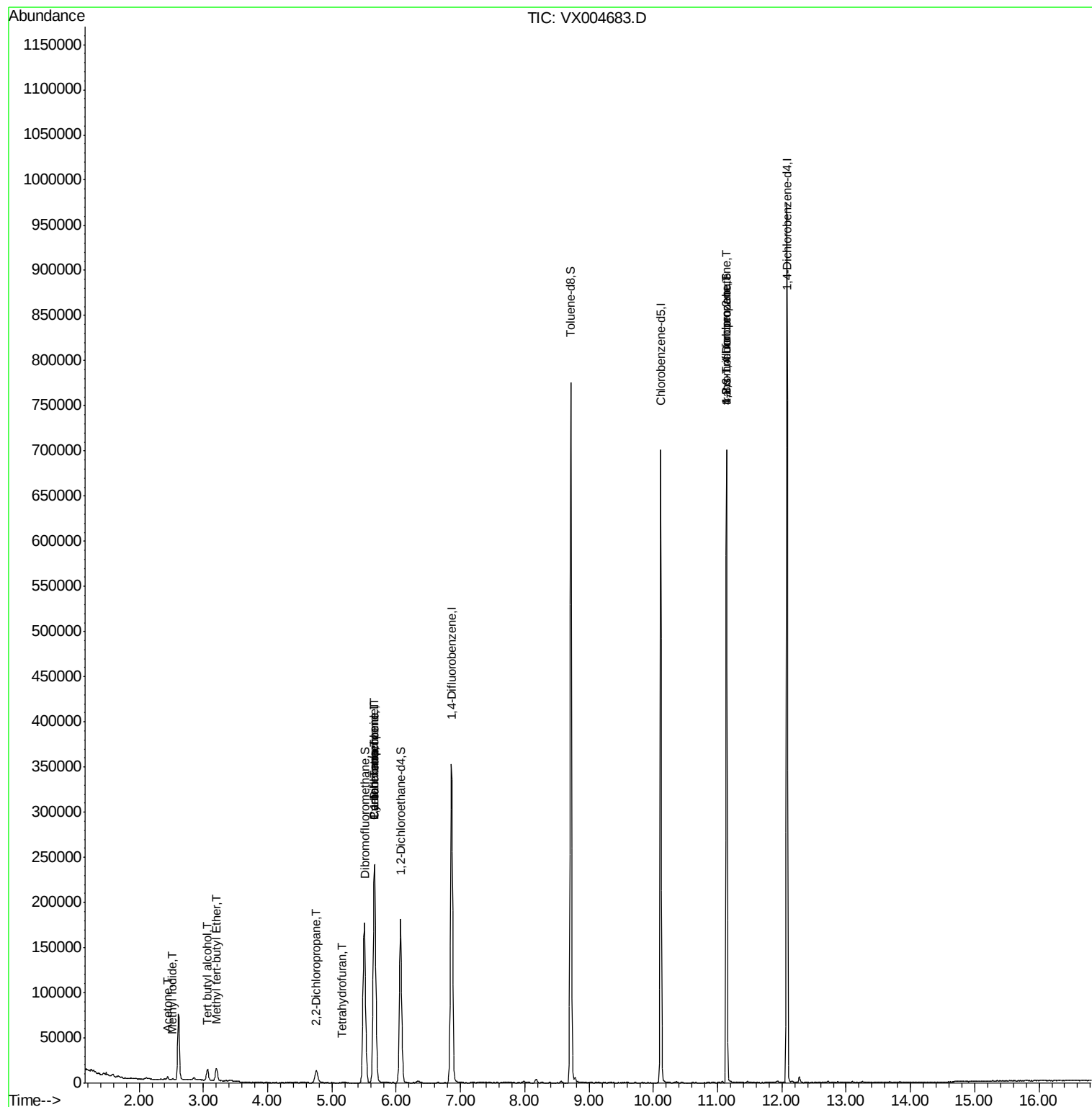
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	559	Below Cal	#	77
10) Methyl Iodide	2.52	142	328	4.343	ug/l #	74
11) Tert butyl alcohol	3.07	59	16134	20.161	ug/l	99
16) Acetone	2.44	43	3302	2.017	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	15907	1.668	ug/l	98
26) 2,2-Dichloropropane	4.76	77	1086	0.278	ug/l #	52
29) Tetrahydrofuran	5.17	42	366	0.233	ug/l #	35
31) Cyclohexane	5.66	56	4170	0.860	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	16279	3.579	ug/l #	49
38) Carbon Tetrachloride	5.67	117	22269	5.012	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	80716	18.928	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	80716	60.331	ug/l #	10

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MW-5

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX004683.D

Acq: 19 Sep 2018 03:23

Instrument :

MSVOA_X

ClientSampleId :

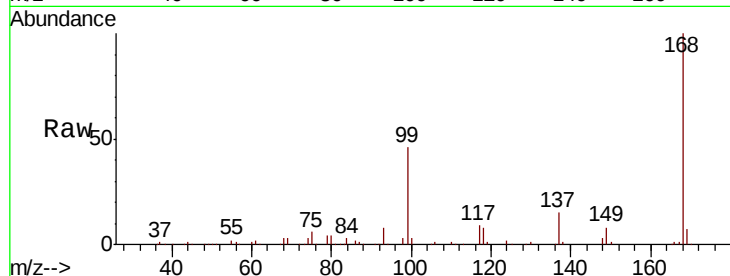
MW-5

Tgt Ion:168 Resp: 260097

Ion Ratio Lower Upper

168 100

99 45.9 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

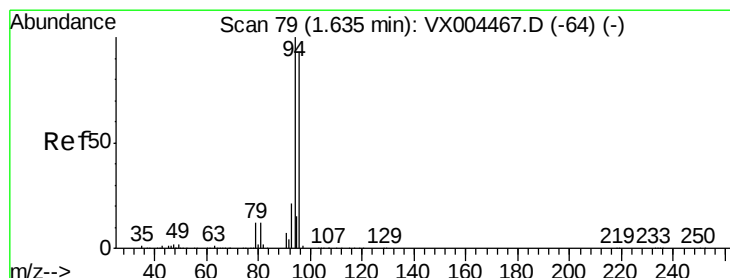
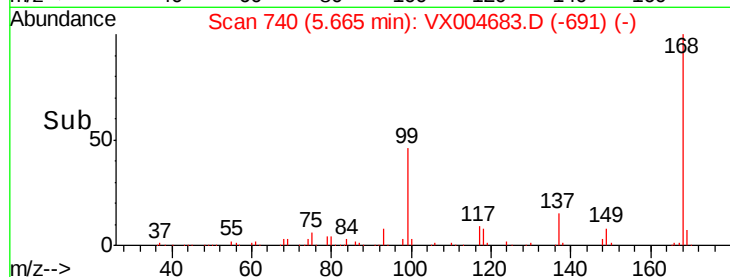
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX004683.D

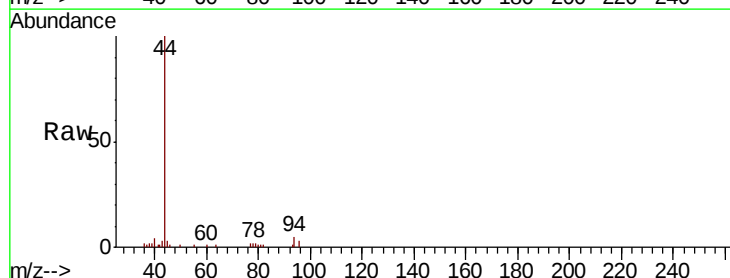
Acq: 19 Sep 2018 03:23

Tgt Ion: 94 Resp: 559

Ion Ratio Lower Upper

94 100

96 71.3 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

300

250

200

150

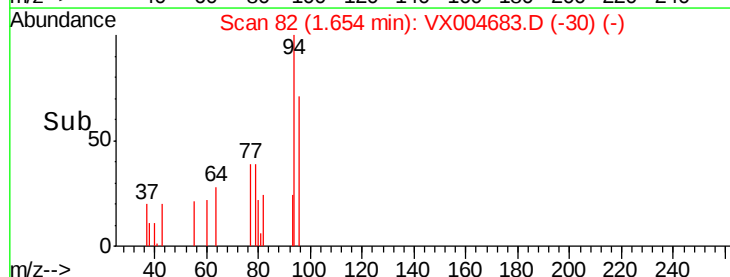
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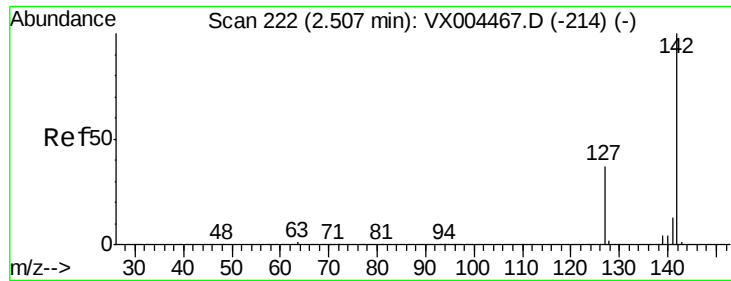
50

0

Time-->

1.60 1.65 1.70

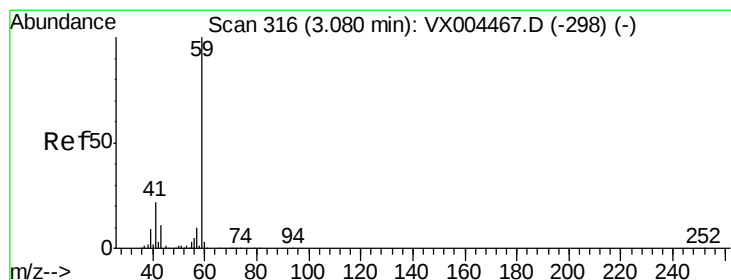
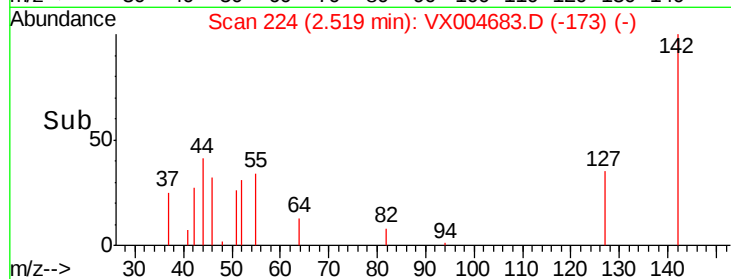
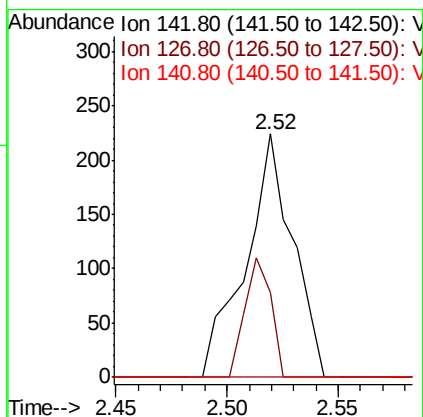
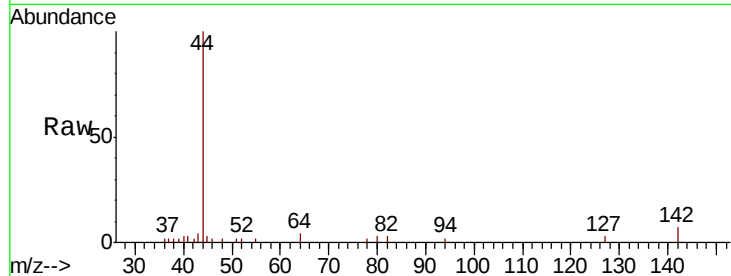




#10
Methyl Iodide
Concen: 4.343 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX004683.D
Acq: 19 Sep 2018 03:23

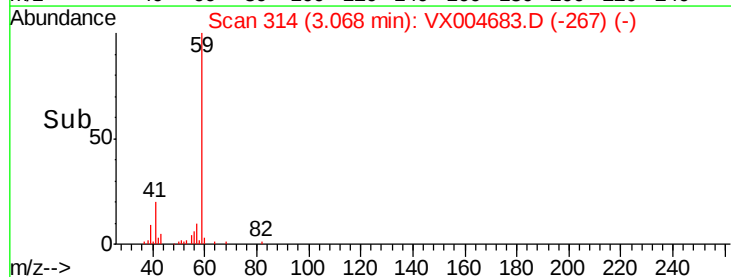
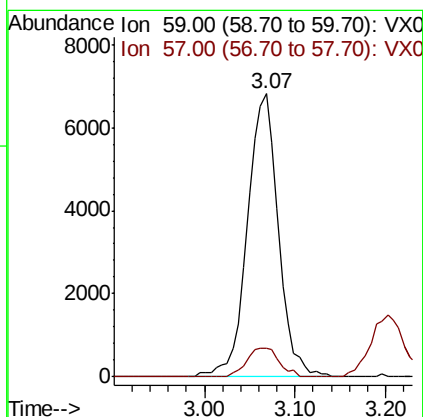
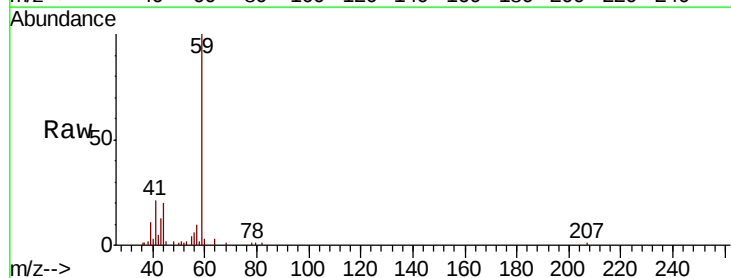
Instrument :
MSVOA_X
ClientSampleId :
MW-5

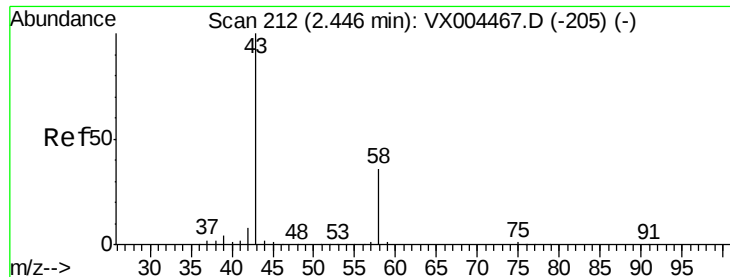
Tgt Ion: 142 Resp: 328
Ion Ratio Lower Upper
142 100
127 27.4 33.8 50.6#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 20.161 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX004683.D
Acq: 19 Sep 2018 03:23

Tgt Ion: 59 Resp: 16134
Ion Ratio Lower Upper
59 100
57 10.6 8.2 12.4

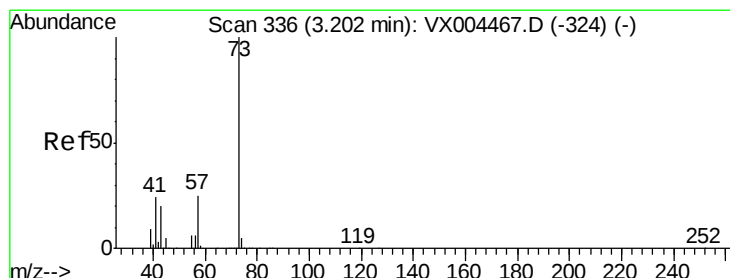
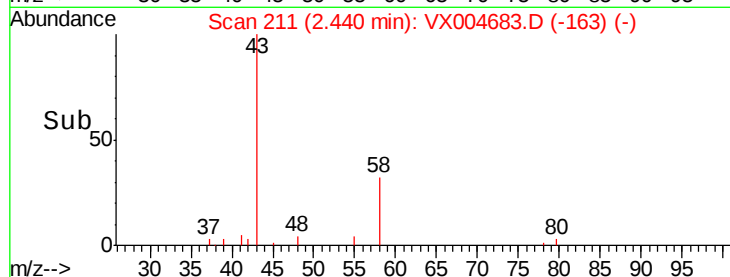
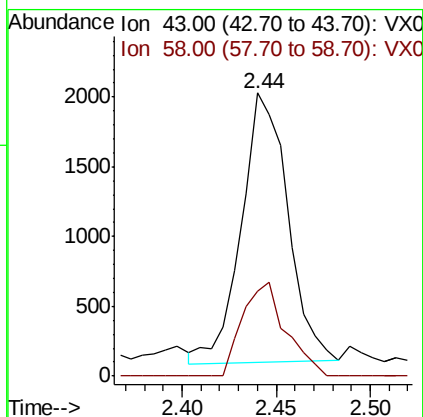
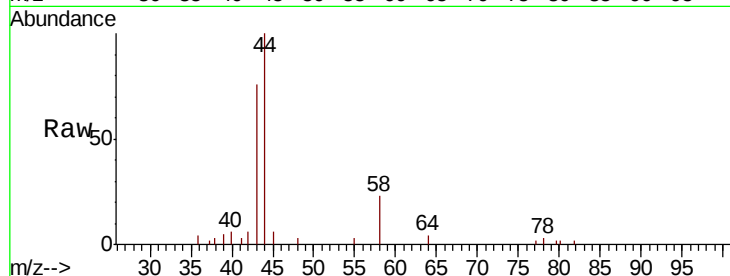




#16
Acetone
Concen: 2.017 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX004683.D
Acq: 19 Sep 2018 03:23

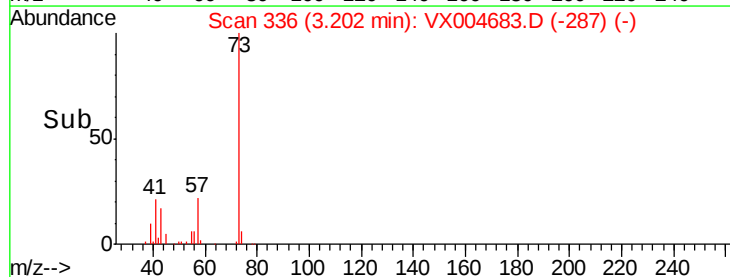
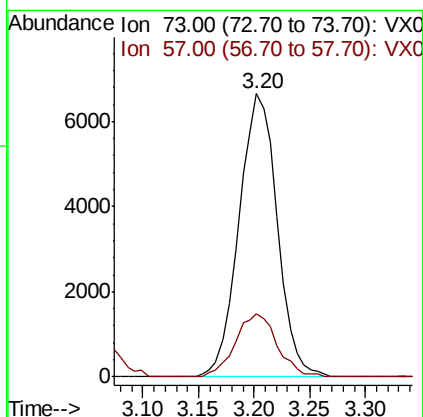
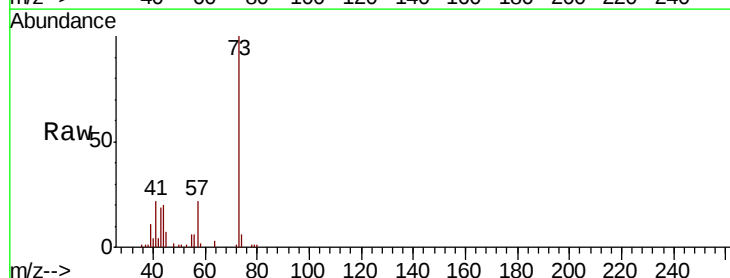
Instrument :
MSVOA_X
ClientSampled :
MW-5

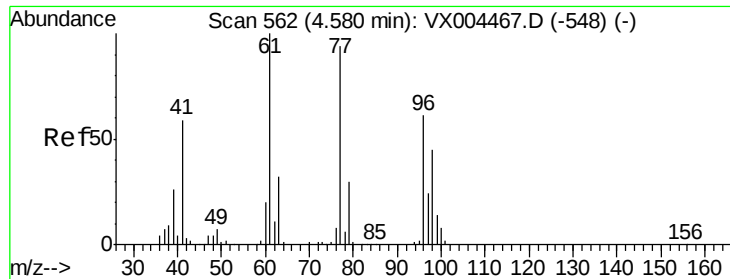
Tgt Ion: 43 Resp: 3302
Ion Ratio Lower Upper
43 100
58 32.0 26.2 39.4



#19
Methyl tert-butyl Ether
Concen: 1.668 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX004683.D
Acq: 19 Sep 2018 03:23

Tgt Ion: 73 Resp: 15907
Ion Ratio Lower Upper
73 100
57 22.3 17.1 25.7





#26

2,2-Dichloropropane

Concen: 0.278 ug/l

RT: 4.76 min Scan# 592

Delta R.T. 0.18 min

Lab File: VX004683.D

Acq: 19 Sep 2018 03:23

Instrument :

MSVOA_X

ClientSampleId :

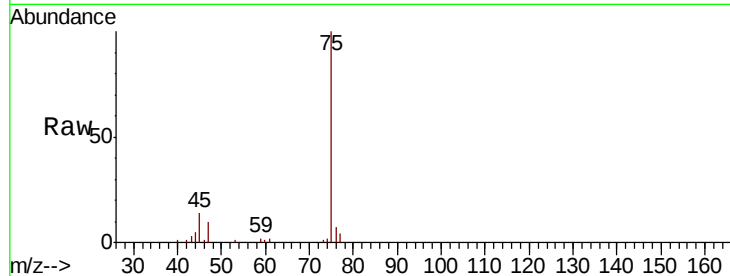
MW-5

Tgt Ion: 77 Resp: 1086

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.76

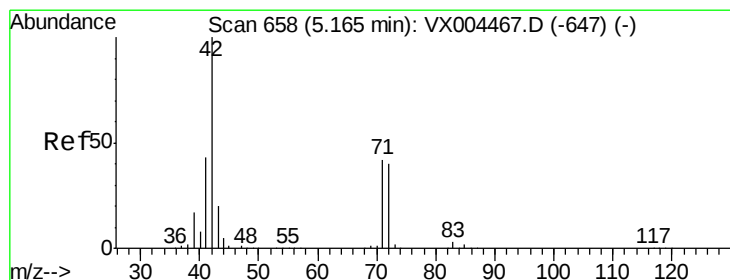
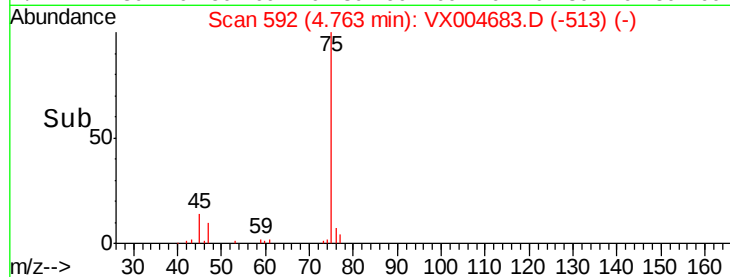
300

200

100

0

Time-->



#29

Tetrahydrofuran

Concen: 0.233 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX004683.D

Acq: 19 Sep 2018 03:23

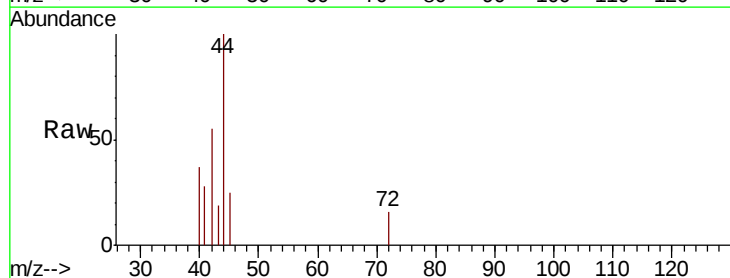
Tgt Ion: 42 Resp: 366

Ion Ratio Lower Upper

42 100

72 5.2 37.4 56.0#

71 0.0 34.5 51.7#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

200

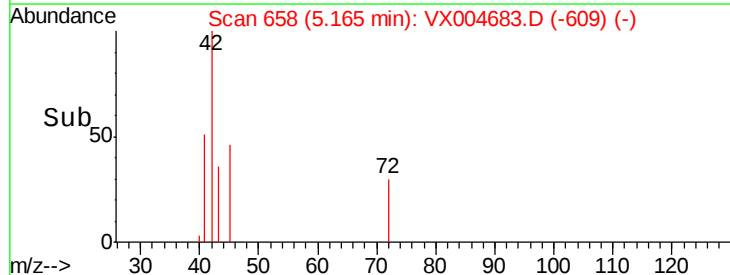
150

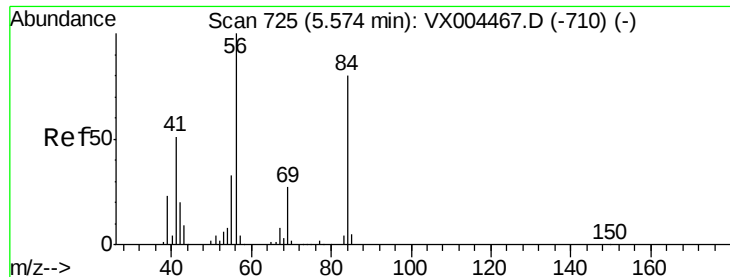
100

50

0

Time-->

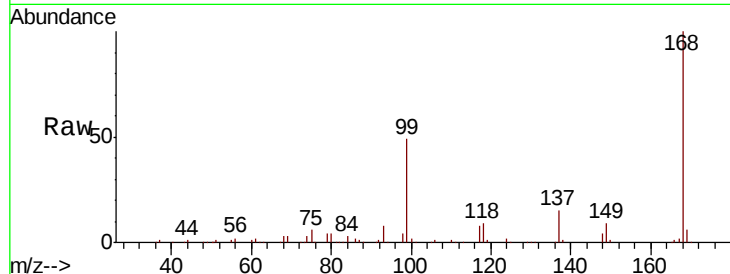




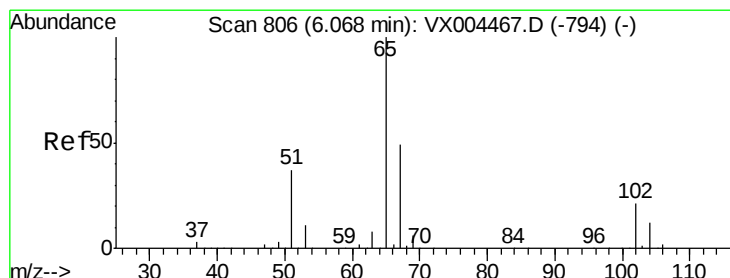
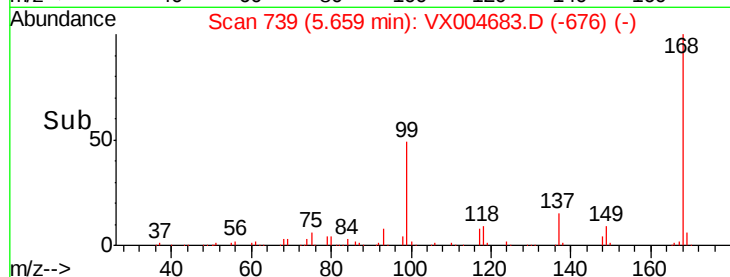
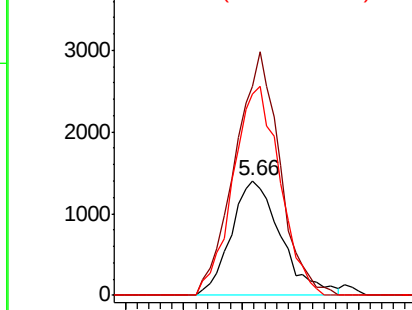
#31
Cyclohexane
Concen: 0.860 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX004683.D
Acq: 19 Sep 2018 03:23

Instrument :
MSVOA_X
ClientSampleId :
MW-5

Tgt Ion: 56 Resp: 4170
Ion Ratio Lower Upper
56 100
69 181.8 25.4 38.2#
84 176.0 71.4 107.2#

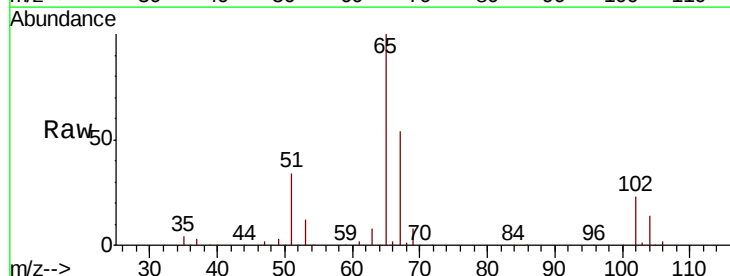


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

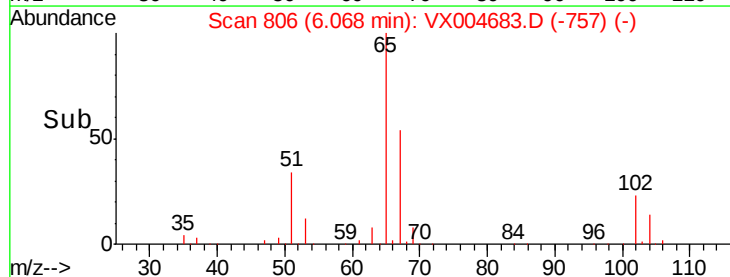
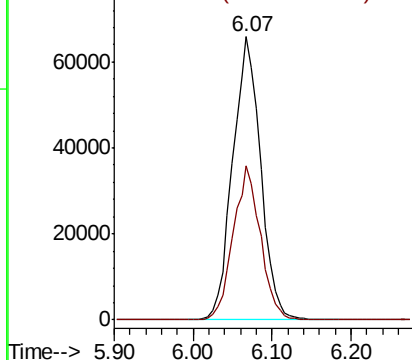


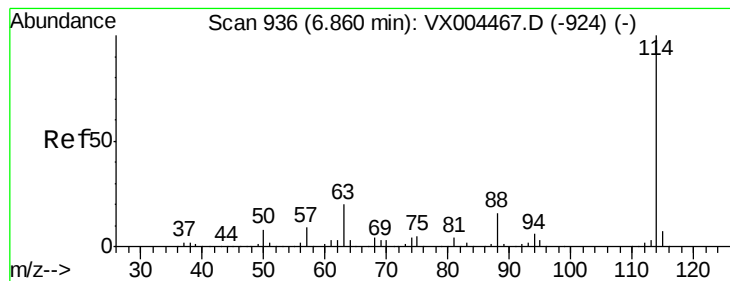
#33
1,2-Dichloroethane-d4
Concen: 48.345 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX004683.D
Acq: 19 Sep 2018 03:23

Tgt Ion: 65 Resp: 162133
Ion Ratio Lower Upper
65 100
67 52.9 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX004683.D

Acq: 19 Sep 2018 03:23

Instrument :

MSVOA_X

ClientSampleId :

MW-5

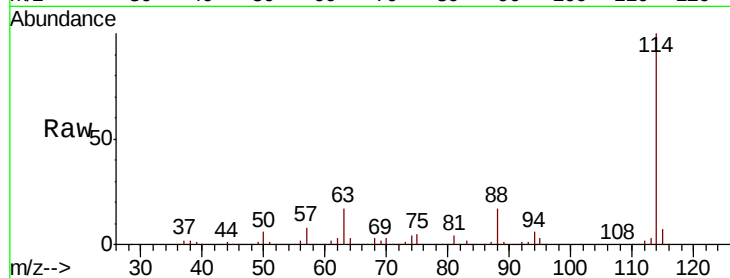
Tgt Ion:114 Resp: 374686

Ion Ratio Lower Upper

114 100

63 17.1 0.0 39.0

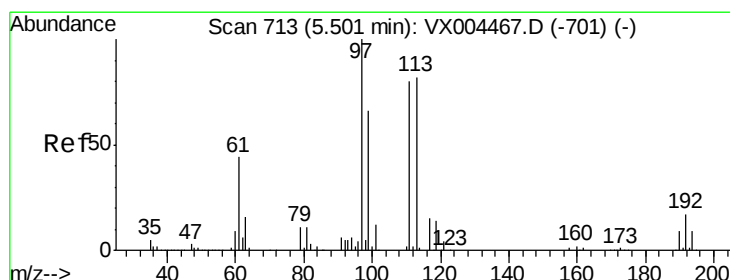
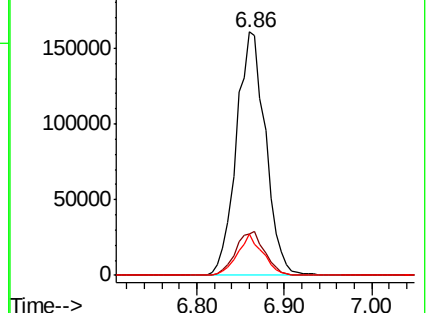
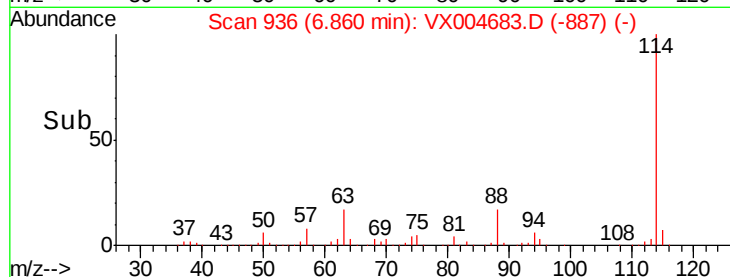
88 17.1 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 44.128 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX004683.D

Acq: 19 Sep 2018 03:23

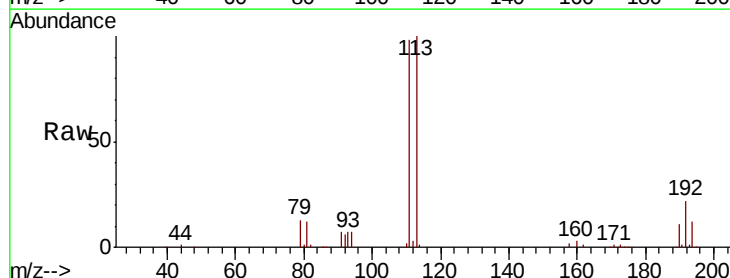
Tgt Ion:113 Resp: 151301

Ion Ratio Lower Upper

113 100

111 101.1 82.4 123.6

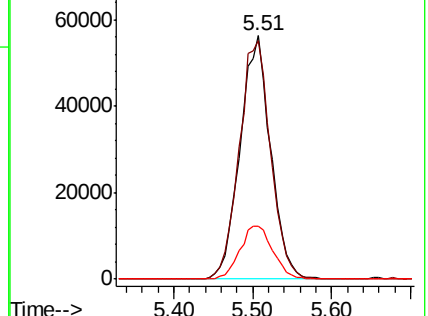
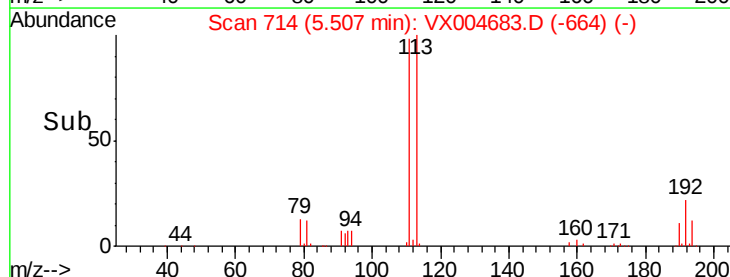
192 23.3 19.4 29.2

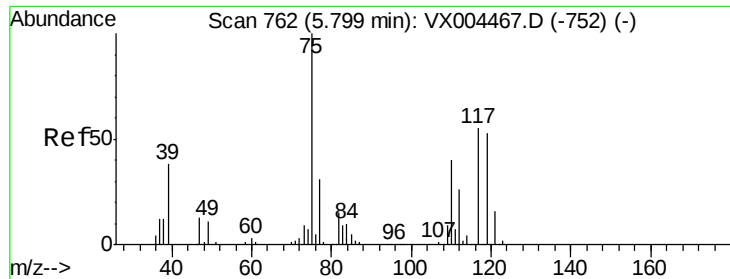


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

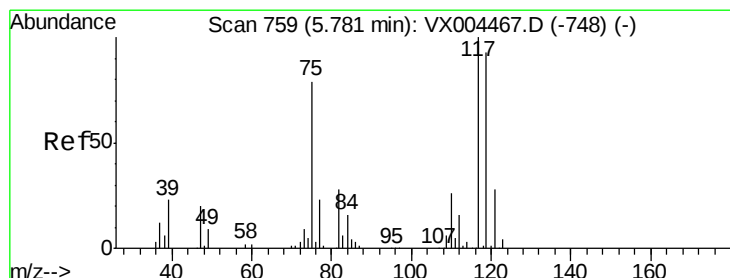
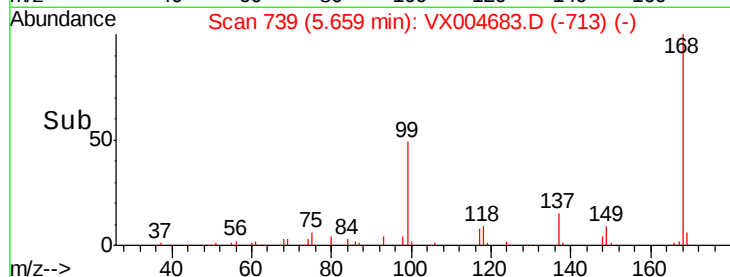
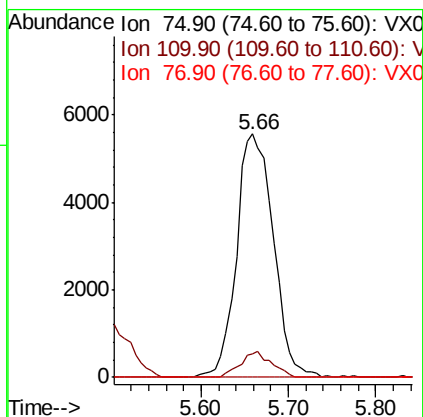
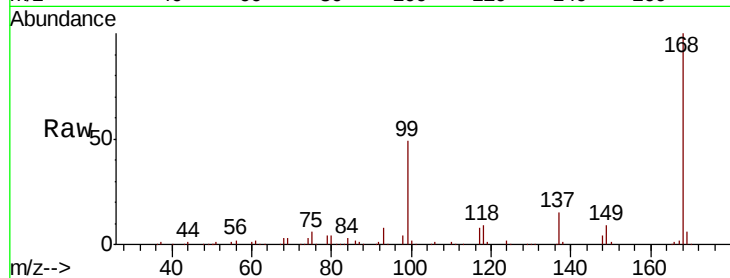




#36
 1,1-Dichloropropene
 Concen: 3.579 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX004683.D
 Acq: 19 Sep 2018 03:23

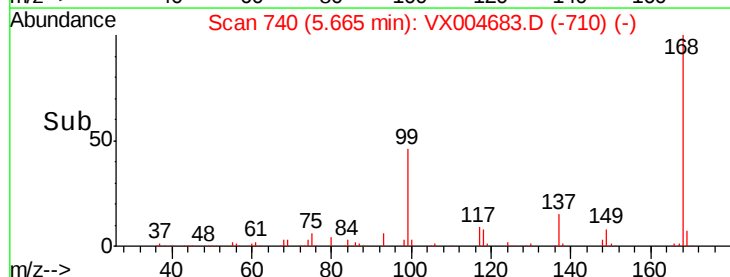
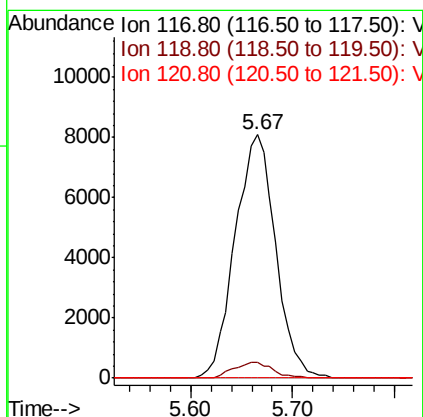
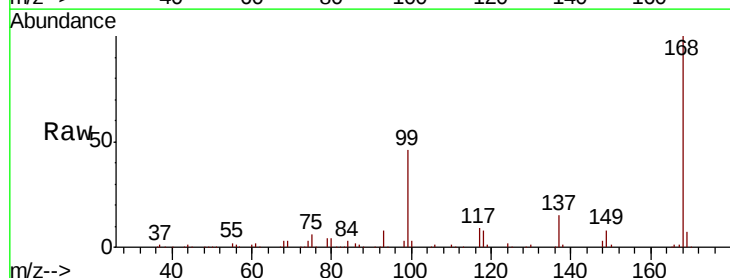
Instrument :
 MSVOA_X
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 MW-5

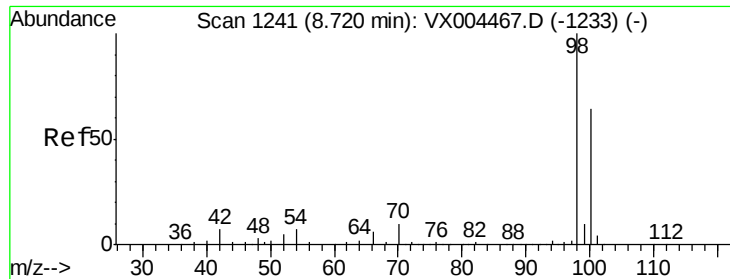
Tgt Ion: 75 Resp: 16279
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.0 54.0#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 5.012 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX004683.D
 Acq: 19 Sep 2018 03:23

Tgt Ion: 117 Resp: 22269
 Ion Ratio Lower Upper
 117 100
 119 6.4 78.8 118.2#
 121 0.0 24.9 37.3#

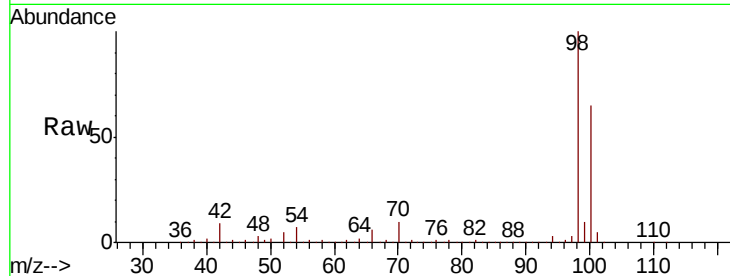




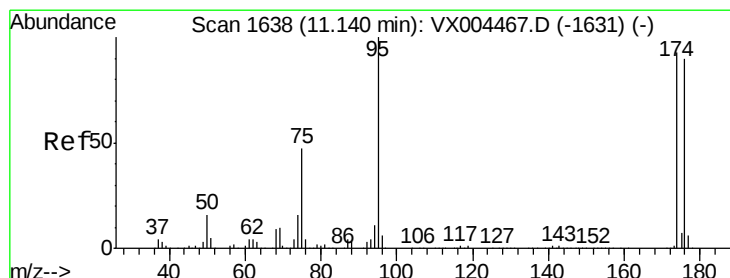
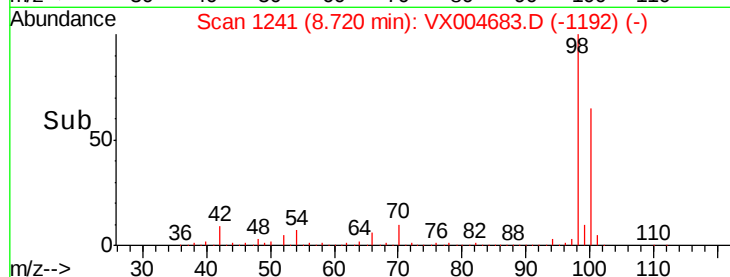
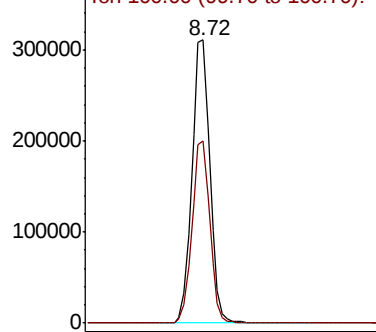
#50
Toluene-d8
Concen: 42.768 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004683.D
Acq: 19 Sep 2018 03:23

Instrument :
MSVOA_X
ClientSampleId :
MW-5

Tgt Ion: 98 Resp: 491760
Ion Ratio Lower Upper
98 100
100 63.9 52.9 79.3

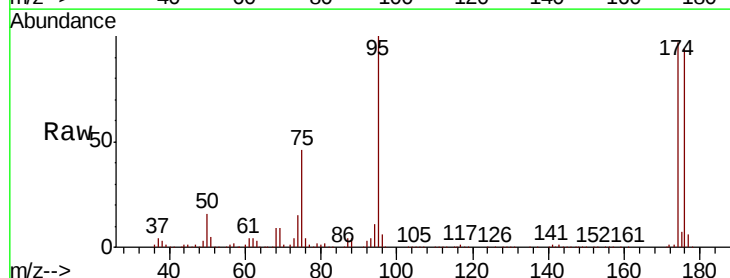


Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

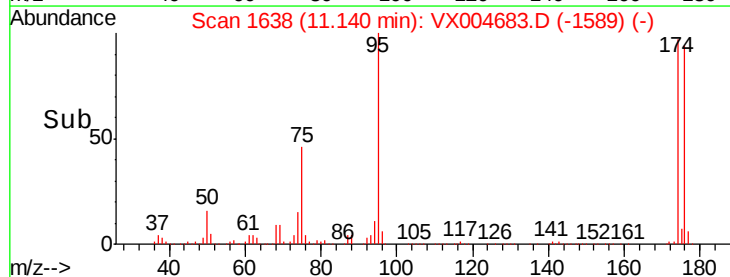
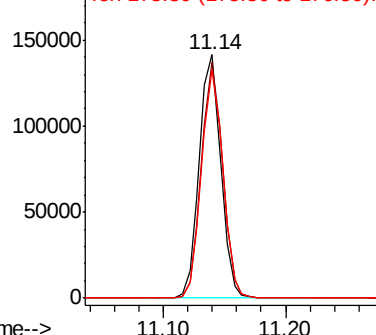


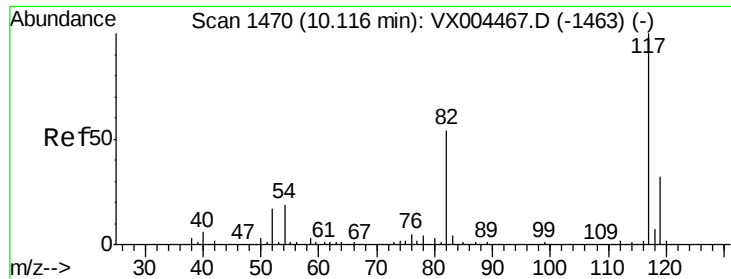
#62
4-Bromofluorobenzene
Concen: 42.087 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX004683.D
Acq: 19 Sep 2018 03:23

Tgt Ion: 95 Resp: 172740
Ion Ratio Lower Upper
95 100
174 95.5 0.0 185.2
176 92.6 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

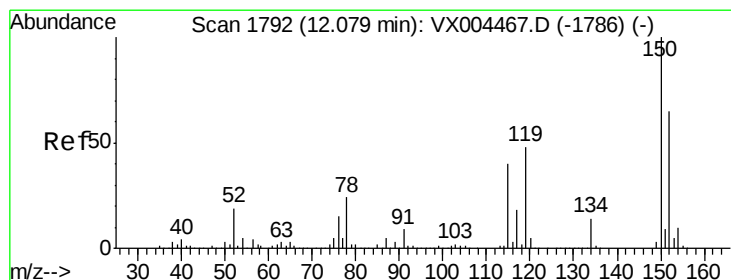
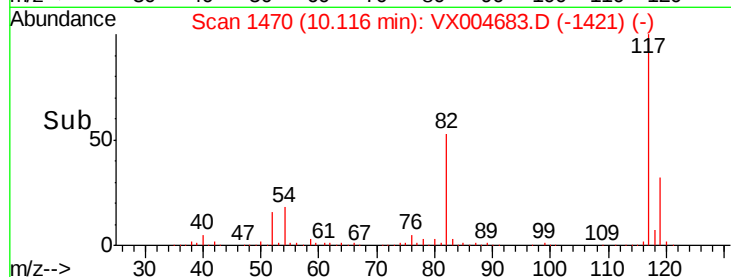
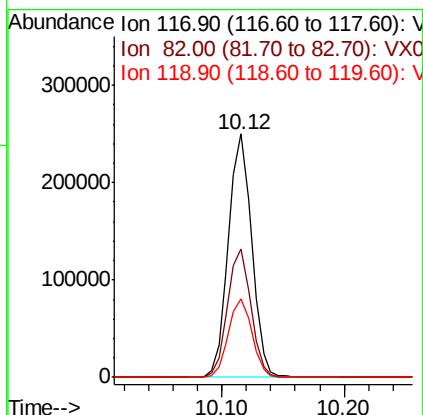
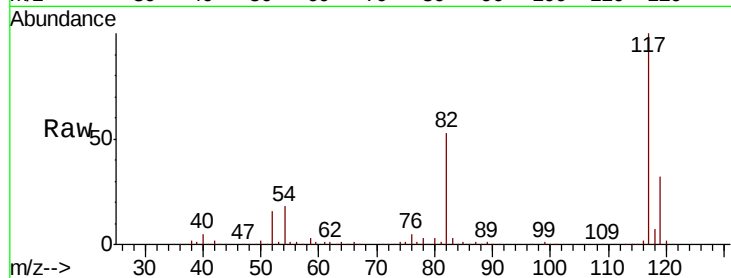




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.12 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VX004683.D
 Acq: 19 Sep 2018 03:23

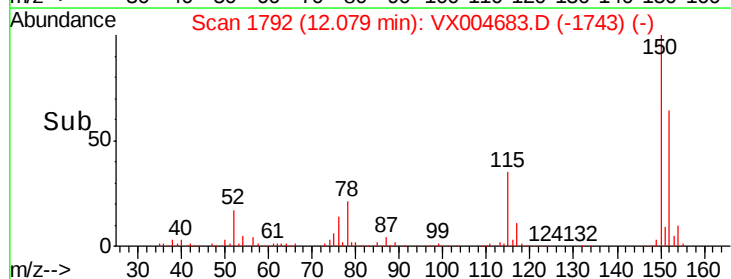
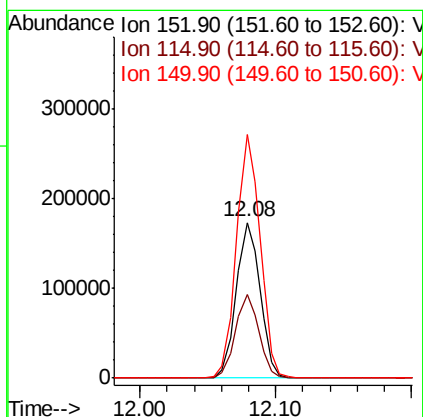
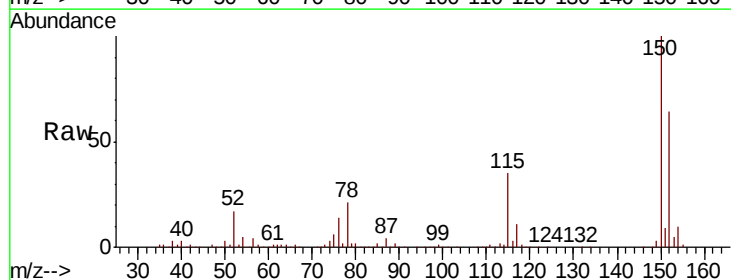
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-5

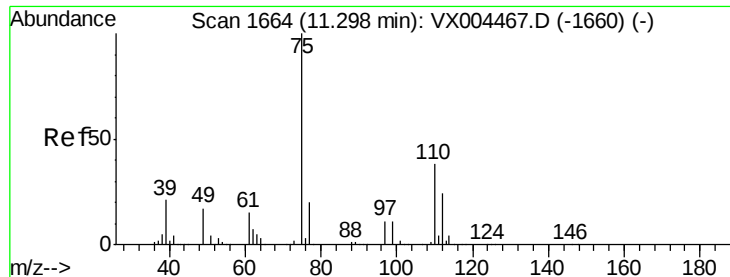
Tgt Ion:117 Resp: 330469
 Ion Ratio Lower Upper
 117 100
 82 52.5 47.8 71.6
 119 32.2 29.3 43.9



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX004683.D
 Acq: 19 Sep 2018 03:23

Tgt Ion:152 Resp: 211962
 Ion Ratio Lower Upper
 152 100
 115 52.9 39.0 117.0
 150 155.7 0.0 351.0

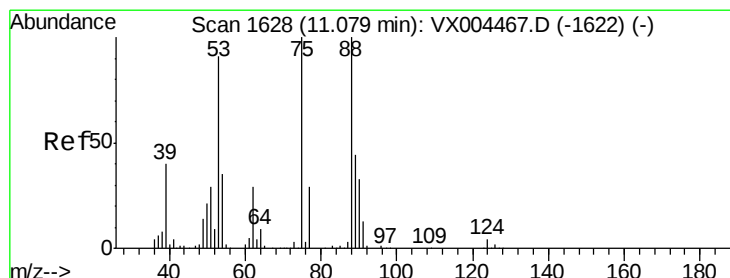
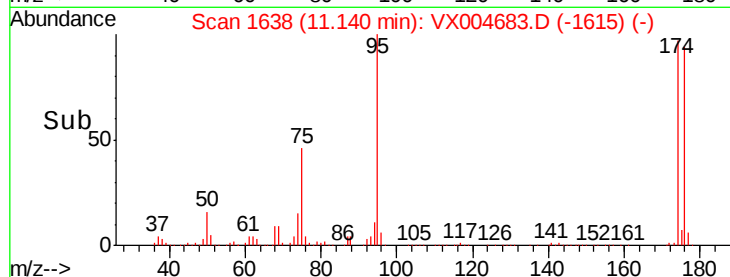
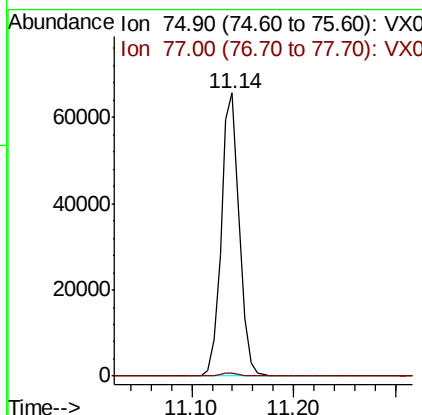
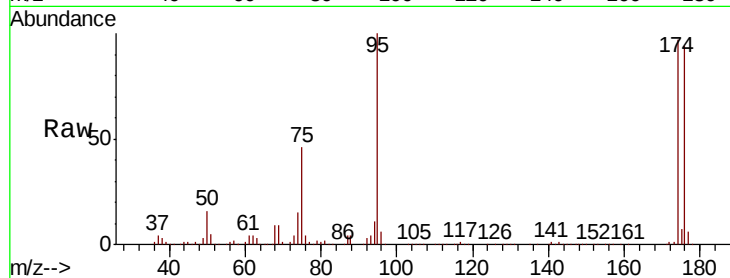




#76
 1,2,3-Trichloropropane
 Concen: 18.928 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX004683.D
 Acq: 19 Sep 2018 03:23

Instrument :
 MSVOA_X
 ClientSampled :
 MW-5

Tgt Ion: 75 Resp: 80716
 Ion Ratio Lower Upper
 75 100
 77 1.4 20.2 60.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.331 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.06 min
 Lab File: VX004683.D
 Acq: 19 Sep 2018 03:23

Tgt Ion: 75 Resp: 80716
 Ion Ratio Lower Upper
 75 100
 53 0.2 80.1 120.1#
 89 0.0 37.2 55.8#

